



## 2N® 2Wire

2N® 2Wire is a converter that allows you to connect any IP device in places without an IP infrastructure. You only need to use the existing cable wiring from a doorbell or telephone. What's more, one cable is all you need for both data transfer and power supply.



Buildings with analogue infrastructure

Sites with limited IP infrastructure

### **Ethernet including PoE over 2 wires**

Connect any IP device using a two-wire or coaxial cable, even in an analogue environment, or a site with limited IP infrastructure.

### **Easy installation**

No more configuring! At each end of the cable you just plug in one 2N® 2Wire unit and connect at least one of them to a power source.

### **Long reach**

Powering the IP-connected devices via PoE is possible up to a distance of 220 m, twice the maximum Ethernet specification cable length.

# 2N® 2Wire

## FEATURES & BENEFITS

### Universal Ethernet 'extension'

With 2N® 2Wire you'll get Ethernet even in places with no IP network. You can hook up any IP devices, e.g. 2N IP intercoms.

### Robust aluminium housing

Thanks to its aluminium housing the 2N® 2Wire converter is rugged and resistant to mechanical damage.

### Utilize existing cabling

2N® 2Wire enables you to make use of existing wiring. You won't have to lay new cables or do construction work.

### Reliability

The converter will not let you down. It is significantly more reliable, in comparison with alternatives, such as a WiFi connection.

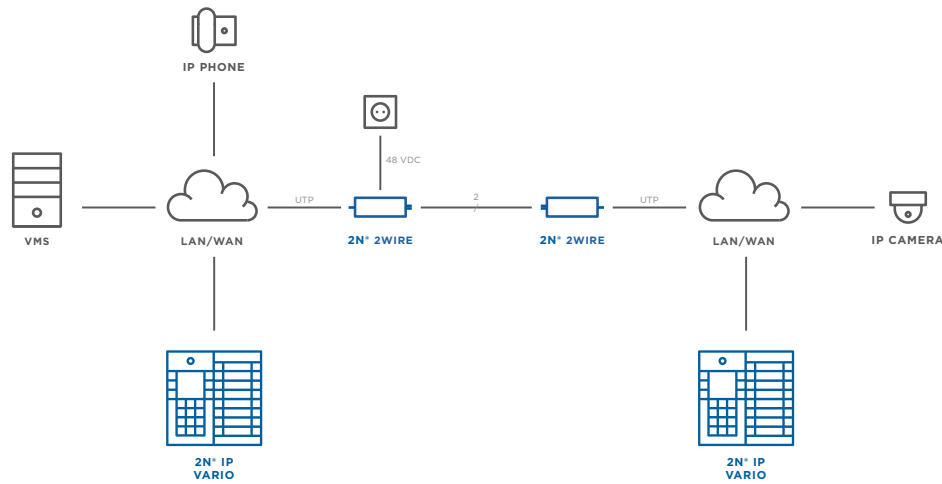
### Screw-in connectors

2N® 2Wire uses high-quality connectors, which prevents cables from falling out, giving you even more reliability.

### Power supply

Included is an adapter with a selectable US/UK/EU plug.

## DIAGRAM



## TECHNICAL PARAMETERS

### Ethernet interface

Connector type	RJ45
Speed	10/100 Base T, half-duplex / full-duplex, auto-negotiation

IEEE 802.3af/at 40 W,  
PoE+ compatible

### Extension cable interface (2-wire/UTP)

Cable type	2-wire, Cat 5e, Cat 6 or similar
Impedance	25 Ω to 100 Ω
Transfer range	max. 220 m (720 ft) with Cat 6

### Transfer method

Access method	CSMA/CA and TDMA
Modulation method	Windowed OFDM
Frequency band	1.8 MHz to 30 MHz

### LED indicator lights

Power supply	Blue - power on
BNC	Green - connection on
PoE	Green - connection on

### Electrical power supply

AC input	100-240 VAC, 50-60 Hz
DC output	48 VDC / 0.84 A-1.3 A
Characteristics	U <sub>in</sub> < 1,1V (L), U <sub>in</sub> > 3V (H), max. U <sub>in</sub> = 32V

### Mechanical properties

Dimensions	1.57 x 1.57 x 2.95 in, 40 x 40 x 75 mm (h x w x d)
Weight	120 g (4.2 oz)
Material	extruded aluminium
Operating temperature	14 to 122°F (-10 to +50°C)
Storage temperature	-22 to 158°F (-30 to +70°C)

## HARDWARE

- 2N Access Unit** - access control unit for building access
- 2N® IP Verso** - modular security intercom for the most discerning customers
- 2N® IP Force** - arguably the most robust IP intercom worldwide
- 2N® IP Vario** - a variable intercom with an elegant design
- 2N® IP Uni** - a doorway intercom that is remarkably affordable
- 2N® IP Audio/Video Kit** - OEM intercoms designed to fit into your equipment